

# Is your testing ticking all the right boxes?



**The perennial challenge with manual testing is that it is slow, error prone, rarely thorough enough and constrained by the availability of business resources.**

Red Rain and TestPro have combined to develop an Automated Testing Solution specifically for ADERANT Expert. By using pre-programmed reusable and customisable test suites, various data sets can be used to test the core components of the ADERANT Expert system. An Automated Testing Solution makes your deployment and upgrades quicker, safer and cheaper.

# Red Rain Automated Testing Solution

When being implemented, Aderant Expert can be configured and customised in numerous ways and you face the challenge of ensuring that the system works as intended. When upgrading or customising ADERANT or changing even the most basic component of your IT infrastructure you face the challenge of ensuring the system works as it did.

Key system functions must be validated, and questions about system behaviour answered including:

- Has my data migrated correctly – do the before and after values/balances match?
- Do the key business processes complete properly?
- Do the user screens behave as expected?
- Can financial transactions be executed eg: Invoices, Payment Receipts, Trust Cheques etc.
- Do my client facing invoice documents still generate correctly for various options.

The traditional approach to answering these questions has been to engage internal 'testing resources' to manually test the system or, in the case of upgrades, perform 'spot tests' of a small part of the system and assume nothing else has been affected. The perennial risk with manual testing is that it is slow, error prone, rarely thorough enough and constrained by the availability of resources. The risk with 'spot testing' is that it assumes the best, rather than insures against the worst. The business impact of sub-optimum testing ranges from **loss of time and productivity from minor system errors**, through to **disruption of clients and cashflow** and ultimately **financial losses from major system outages**.

Utilising Red Rain's ADERANT expertise and TestPro's Automation Framework, an Automated Testing Solution makes your deployment and upgrade of ADERANT **quicker, safer and cheaper**. This solution uses **pre-programmed, customisable** and **reusable** Test Suites and Data Sets that test core components of the ADERANT Expert system.

This solution provides the following benefits:

- Reduce risk, time and cost of system deployment via consistent and repeatable testing and data migration checking
- Reduce risk, time and cost of system upgrades or changes (including changes to the underlying technology or hardware platforms)
- Lower the risk of system downtime and improve system reliability via regular and thorough system testing (which is now feasible as automation reduces both the cost and time of testing)
- Greatly reduce the need to allocate front office staff to testing, via automation

The solution addresses three key areas of your testing plan:

- Balance Checks
- System and Screen Checks
- Automated Regression Testing

## TestPro Automation Framework (TAF Pro)

TestPro has a long history in implementing automated test tools across a broad spectrum of automation solutions. We have learned that the automation architecture is critical to reducing the automation maintenance effort.

TAF provides a **hybrid architectural model** of automation developed to be flexible and usable by the business and usable by both manual and automated testing teams. The framework **reduces test script complexity** and manages multiple test data sources. The TestPro Automation Framework enables the automated test tool to use it's inherent power of object recognition and management, reducing script maintenance.

The framework uses **modular scripting**, allowing test cases to be built up as building blocks, and allows easy management of the various input data sets, so the same test scripts can be executed over different data records quickly and easily.